

The Director of Central Intelligence

Washington, D.C. 20505

Intelligence Community Staff

DCI/ICS 86-4019
30 January 1986

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MEMORANDUM FOR: JMIE System Design Working Group

FROM:
Intelligence Community Staff

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SUBJECT: Siting of JMIE Support System (JSS)
Central Computer Facility

1. One of the key requirements of Phase II of our current effort is to identify one or more suitable locations for the central JSS processing facility. Basically, suitability will be determined by (1) availability of the necessary physical and technical features and supporting infrastructure and (2) willingness of the host organization to assume JSS executive agent responsibilities. As you will recall, current intent is to fund the cost of the facility's equipment and site preparation as part of the basic JSS investment, centrally funded under Navy auspices. Facility operating costs would be pro-rated among JMIE members. Should more than one candidate site of equal merit be proposed, our report will cover all options.

2. The JSS will be configured as a hub-and-spoke system with the computer facility at its center. Because of the great diversity of missions and intelligence support requirements among potential JSS subscribers, the system's major data manipulation and production capabilities will be incorporated in the user terminals (spokes) rather than in the central facility. As currently envisioned, the central facility will not be expected to perform substantive functions such as information analysis, error correction or manual input, nor will the site be expected to maintain a tape library of substantive historical data. Except for minor system control and administration functions, all JSS data handling operations will be conducted on-line with limited manual intervention.

3. With respect to central computer siting requirements, the foregoing design concept yields the following:

- the facility would focus on data processing operations and not on the substantive management of the data itself; therefore, it would not be necessary to collocate systems operations with an analysis facility;
- given the preceding, it would be highly desirable to integrate or collocate the JSS facility with an already existing data handling operations facility run by a JMIE member. This would permit reduction of site preparation costs, but more importantly would reduce personnel and operating costs by allowing incremental reinforcement of an existing infrastructure rather than creation of a wholly new one to support the JSS.

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4. In addition, the following generic requirements must be accommodated, either by already existing capability or by modifications that would not be excessively costly or unacceptably disrupt the mission of the element to which the JSS facility is being added:

- physical and electronic security sufficient to permit processing and storage of SECRET level data;
- direct interconnection between the JSS computer and a communications facility capable of handling SECRET level data, both via common user circuits (AUTODIN) and dedicated digital links to JSS remote terminals;
- twenty-four hour, seven-day week operation by both computer and communications facilities; and
- availability of access to common carrier long-haul communications facilities.

5. Subject to more precise definition as our design program progresses, the requirement for computer room space is currently projected to be approximately 1000 square feet, configured or configurable to satisfy established standards in terms of raised flooring, climate control, power availability, etc. Additional contiguous space would be required for communications facilities, if they do not already exist, as well as for administrative support.

6. Another important factor to weigh in selecting a central site is the prospect that the JSS data base will support both intelligence and law enforcement operations, thereby creating the possibility of legal complications under certain circumstances. To avoid or mitigate such difficulties, it would be desirable to have the executive agency responsibility assumed by a participating law enforcement organization rather than by an Intelligence Community member of the JMIE consortium.

7. It is requested that you canvass your parent organizations to determine their ability and willingness to assume the JSS executive agency responsibility and to provide the facilities outlined above. At this point, only indications of interest are required for design and costing purposes. A firm commitment will not be requested until a formal determination is made by JMIE principals to proceed with JSS implementation. In affirmative responses, please describe the potential site(s) offered in terms of the requirements outlined above and any other considerations which may be relevant. To allow us to meet our program objectives, your agencies' responses are requested by 20 February 1986.

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